



# Lab 960 Benchtop Conductivity Meter

Benchtop conductivity meters for laboratory analysis.



## Description

The Lab 960 benchtop conductivity meter was designed to perfectly match SI Analytics world class electrodes. The conductivity meter offers the highest level of GLP documentation. They offer GLP compliant protocols and up to 800 data sets with intervals from five seconds to 60 minutes storing both time and identification information. The conductivity meters also feature data transmission via a conventional RS232 port or USB interface.

The Lab 970 benchtop conductivity meters include all the features of the Lab 960 conductivity meter except for data storage. The Lab 970 meters send the data directly to your computer via their USB or RS232 ports. This allows the meters to be easily handled and integrated into automated systems such as LIMS. The meters are ideally suited for measurements according to USP 28. This means that they automatically recognize which conductivity electrode is attached. The conductivity electrodes use the latest microtechnology to enable the storage of calibration data in the electrode to be read by the meter. For each measurement the conductivity electrode logs into the benchtop conductivity meter with its ID (type and serial number) and sends its calibration data to assure that only the sensor's specific data is used to calculate the measured value. Complete IQ and OQ documentation is available for the Lab 970 meters.

- Reliable and precise measurements
- Fast and easy GLP documentation
- Auto sensor recognition for Lab 970

## Specifications

### Conductivity:

Range: 0.000  $\mu$ S/cm to 500 mS/cm

TDS Range: 0.4 to 1.0

Salinity: Measured according to Natural Sea Water Scale (UNESCO 1966b)

Accuracy ( $\pm 1$  digit): 0.5 % of measured value

Calibrated Cell Constant: 0.450 to 0.500  $\text{cm}^{-1}$ ; 0.585 to 0.715  $\text{cm}^{-1}$ ; 0.800 to 1.200  $\text{cm}^{-1}$

Adjustable Cell Constant: 0.250 to 2.500  $\text{cm}^{-1}$  and 0.090 to 0.110  $\text{cm}^{-1}$

Fixed Cell Constant: 0.010  $\text{cm}^{-1}$

Temperature Compensation: nLF/Lin (0.001 to 3.000 %/K)/selectable

Temperature Compensation Purity Water: Yes

Reference Temperature: 68 °C or 77 °F (20 °C or 25 °C) Selectable

### Temperature:

Range: 23 to 248 °F (-5.0 to 120.0 °C)

Accuracy ( $\pm 1$  digit):  $\pm 0.2$  °F ( $\pm 0.1$  °C)

Selectable °F/°C units: Yes

Automatic switch to manual temperature input when no temperature sensor is connected: Yes

### Mechanical and electrical

Display: 3x2.4 inch (75x60 mm)

Data Storage: Lab 960 only - 800 data sets with intervals from 5 seconds to 60 minutes

USB (slave) and RS232 interface: Yes

Lower casing: Plastic

Keypad: Plastic foil with tactile response

Power Source: External 100-240VAC, 50/60 Hz or 9V battery

Automatic power shutoff (battery): Yes, adjustable 10 minutes to 24 hrs

Dimensions (WxHxD): 9.45x7.48x3.15in (240x190x80mm)

Weight: 2.2 lb (1.0 kgs)

Compliance: CE, cETLus

Safety: protection class III

Climate class: 2 (VDI/VDE 3540)

Warranty: 3 years

## Options and Accessories

**Lab 960** Benchtop Conductivity Meter Set (PN# 285204180)  
Includes Lab 960 meter, conductivity cell LF 413 T, and accessories

**Lab 970** Benchtop Conductivity Meter Set (PN# 285204190)  
Includes Lab 970 meter, conductivity cell LF 413 T, and accessories

See [www.globalw.com](http://www.globalw.com) for more options.

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